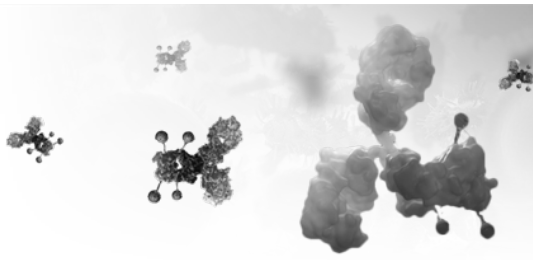

Anti-CDH1 monoclonal antibody, clone 3G0 (CABT-ZC1112)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse Monoclonal Antibody to Human CDH1 molecule
Antigen Description	Cadherins are calcium-dependent cell adhesion proteins which preferentially interact with themselves in a homophilic manner in connecting cells, and thus may contribute to the sorting of heterogeneous cell type. E-cadherin (E-Cad), also known as CDH1 and CD324, is the classical cadherin molecule and contains five cadherin domains of ~110 aa each in the extracellular domain. E-Cad is expressed in the non-neural epithelial tissues as disulfide-linked homodimer, and plays a key role in the organization and integrity of most epithelial tissues, cell differentiation and tissue development. CDH1 interacts directly, via the cytoplasmic domain, with CTNNB1 or JUP to form the PSEN1/cadherin/catenin adhesion complex which connects to the actin skeleton through the actin binding of alpha-catenin. During apoptosis or with calcium influx, E-Cad is cleaved by the metalloproteinase to produce fragments of about 38 kDa (E-CAD/CTF1), 33 kDa (E-CAD/CTF2) and 29 kDa (E-CAD/CTF3), respectively. E-Cad has been identified as a potent invasive suppressor, as downregulation of E-cadherin expression is involved in dysfunction of the cell-cell adhesion system, and often correlates with strong invasive potential and poor prognosis of human carcinomas (gastric, breast, ovary, endometrium and thyroid).
Target	CDH1
Immunogen	Full length human recombinant protein of human CDH1 produced in HEK293T cell.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	3G0

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Conjugate	Unconjugated
Applications	ELISA, LMNX
Buffer	Stored in PBS (pH 7.4) with 0.05% sodium azide, 10mg/ml BSA, 50% glycerol.
Preservative	0.05% Sodium Azide
Storage	Shipped at 4 °C. Upon delivery store at -20 °C. Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

GENE INFORMATION

Entrez Gene ID	999
UniProt ID	P12830

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221